

ABSTRACT OF THE DISCLOSURE

Superconductive bodies composed of cuprate material having a very critical current density with outer magnetic fields of up to 5 tesla when the bodies have a content of zinc cations. The bodies can also be subjected to modified oxygen treatment. The preferred cuprate materials are YBCO material and bismuth oxide based on superconductive material such as "2212" or "2223" type superconductive material. The preferred bodies are molded bodies obtained by melt texturing and "powder-in-tube" bodies.